

Title (en)

METHOD FOR CONTROLLING A PRESSURE IN A CRANKCASE

Title (de)

VERFAHREN ZUR REGELUNG EINES DRUCKES IN EINEM KURBELGEHÄUSE

Title (fr)

PROCÉDÉ DE RÉGULATION D'UNE PRESSION DANS UN CARTER DE VILEBREQUIN

Publication

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Application

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Abstract (en)

[origin: WO2017178183A1] The invention relates to a method for controlling a pressure (26) to a target pressure (27) in a crankcase (14) of an internal combustion engine (10) by means of a crankcase venting device (18), wherein the crankcase venting device (18) comprises a suction line (20), by means of which blow-by gas (16) can be removed from the crankcase (14), a pumping device (22) driven by an electric drive (28), and an oil mist separating device (24), and wherein the pumping device (22) and the oil mist separating device (24) are arranged in the suction line (20). In order to render a pressure-measuring device in the crankcase unnecessary, a rotational speed of the electric drive (28), according to the invention, is controlled in a closed-loop and/or open-loop manner, the rotational speed of the electric drive (28) is used as a manipulated variable (41) for the control of the pressure (26) in the crankcase (14), and at least one performance parameter of the electric drive (28) is evaluated in order to infer the pressure (26) in the crankcase (14).

IPC 8 full level

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